

Comparisons of Job Characteristics

Focus Occupation: [Patternmakers, Metal and Plastic \(51-4062\)](#)

Associated Occupation: [Model Makers, Wood \(51-7031\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Patternmakers, Metal and Plastic (51-4062)

Associated Occupation: Model Makers, Wood (51-7031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Design	5.2	17.6	14.4	< Expanded education and/or training may be required
Engineering and Technology	5.7	14.0	13.0	0 Current knowledge level may be sufficient
Production and Processing	6.0	13.7	10.6	<< Extensive education and/or training may be required
Building and Construction	4.0	11.2	3.1	<< Extensive education and/or training may be required
Mechanical	6.8	10.7	16.3	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Patternmakers, Metal and Plastic (51-4062)

Associated Occupation: Model Makers, Wood (51-7031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operations Analysis	5.0	8.9	6.7	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	8.5	9.5	> Skill level is likely sufficient
Operation and Control	5.4	7.5	8.7	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Patternmakers, Metal and Plastic (51-4062)

Associated Occupation: Model Makers, Wood (51-7031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.9	10.7	<	Some improvement in abilities may be required
Finger Dexterity	7.6	11.9	9.2	<<	Extensive improvement in abilities may be required
Visualization	7.5	11.2	10.2	0	Current ability level may be sufficient
Control Precision	6.6	11.0	10.0	<	Some improvement in abilities may be required
Selective Attention	8.7	10.7	8.4	<	Some improvement in abilities may be required
Reaction Time	4.8	9.2	7.5	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	5.7	4.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Patternmakers, Metal and Plastic (51-4062)

Associated Occupation: Model Makers, Wood (51-7031)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Attach or mark identification onto products or containers	54
Examine products or work to verify conformance to specifications	15
Fabricate, assemble, or disassemble manufactured products by hand	11
Monitor production machinery/equipment operation to detect problems	27
Operate metal or plastic fabricating equipment/machinery	54
Perform safety inspections in manufacturing or industrial setting	33
Read blueprints	10
Read specifications	23
Read technical drawings	7
Set up computer numerical control machines	69
Set up production equipment or machinery	51
Understand machine setup instructions	74
Understand technical operating, service or repair manuals	6
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Patternmakers, Metal and Plastic (51-4062)

Associated Occupation: Model Makers, Wood (51-7031)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.